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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/690,084	10/20/2003	Daniel A. Koos	NOVLP068/NVLS-000818	4873	
22434 · 75	90 11/30/2006		EXAMINER		
•	VER & THOMAS, LLI	VINH, LAN			
P.O. BOX 70250 OAKLAND, CA 94612-0250		•	ART UNIT	PAPER NUMBER	
			1765		
•			DATE MAILED: 11/30/2006	DATE MAILED: 11/30/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	· · ·		
		10/690,084	KOOS ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Lan Vinh	1765			
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet with the	correspondence address			
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. It is period for reply specified above is less than thirty (30) days, a reput or provided the provided period for reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing department term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be to by within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONI	imely filed ys will be considered timely. In the mailing date of this communicatio ED (35 U.S.C. § 133).	n.		
Status						
1)⊠	Responsive to communication(s) filed on 24 (October 2006.				
		s action is non-final.				
3)□	,—					
Disposit	ion of Claims					
5)⊠ 6)⊠ 7)⊠	Claim(s) <u>1-6,9-17,24-29,34-60,62-67 and 70-</u> 4a) Of the above claim(s) is/are withdra Claim(s) <u>25-27 and 43-56,57-60, 6267,70-76</u> Claim(s) <u>1-6,14-17,24,28,29 and 38-42</u> is/are Claim(s) <u>9-13 and 34-37</u> is/are objected to. Claim(s) are subject to restriction and/e	awn from consideration. 6 is/are allowed. rejected.	n.			
Applicati	ion Papers					
10)	The specification is objected to by the Examina The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	ee 37 CFR 1.85(a). Djected to. See 37 CFR 1.121(d	d).		
	under 35 U.S.C. § 119					
12) [] a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority documen application from the International Burea See the attached detailed Office action for a list	ts have been received. ts have been received in Applicat prity documents have been receiv tu (PCT Rule 17.2(a)).	tion No red in this National Stage			
Attachmen	•	_				
2) 🔲 Notic 3) 🔯 Inforr	e of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date <u>91106</u> .	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:				

Page 2

DETAILED ACTION

Response to Arguments/Amendment

1. The previous final rejection(s) of claims 1-6, 16-24,28-29, 34-42 based on Uzoh and Modak have been withdrawn in view of added limitation of "wherein the etching solution oxidizes the metal of the substrate to a metal oxide". However, upon further consideration, a new ground(s) of rejection of claims 1-6, 14-17, 24, 28, 29, 38-42 based on nonstatutory obviousness-type double patenting as being unpatentable over claims 1-8,10-17, 26--30 of copending Application No 11/586394

Applicant's arguments, see page 6 of the response, with respect to the final rejection(s) of claims 57, 67 under 35 U.S.C 103(a) have been fully considered and are persuasive. The rejection(s) has been withdrawn.

Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-6, 14-17, 24, 28, 29, 38-42 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-8,10-17, 26-30 of copending Application No. 11/586.394 in view of Kondo et al (US 2005/0074967). Claims 1-8,10-17, 26-30 of copending application 11/586394 meet all the limitations of claims 1-6, 14-17, 24, 28, 29, 38-42 of the instant application except the limitation of "wherein the etching solution oxidizes the metal of the substrate to a metal oxide". However, Kondo discloses a polishing method comprises a step of limitation of oxidizing the metal of the substrate to a metal oxide by an acidic polishing/etching solution (page 13, claim 40). Thus, one skilled in the art at the time the invention was made would have found that the step of "wet etching metal from the substrateby contacting the substrate with a wet etching solution", as recited in claims 1, 26 of copending application 11/586.394, would have obviously oxidized the metal of the substrate to a metal oxide for rendering the oxidized metal water-soluble as taught by Kondo

This is a <u>provisional</u> obviousness-type double patenting rejection.

Allowable Subject Matter

3. Claims 9-13, 34-37 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 25-27, 43-60, 62-67, 70-76 allowed.

Application/Control Number: 10/690,084

Art Unit: 1765

The reasons for allowance of claims 25, 43, 48, 57, 67 have been discussed in the previous office action

Page 4

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lan Vinh whose telephone number is 571 272 1471. The examiner can normally be reached on M-F 8:30-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nadine Norton can be reached on 571 272 1465. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

November 28, 2006